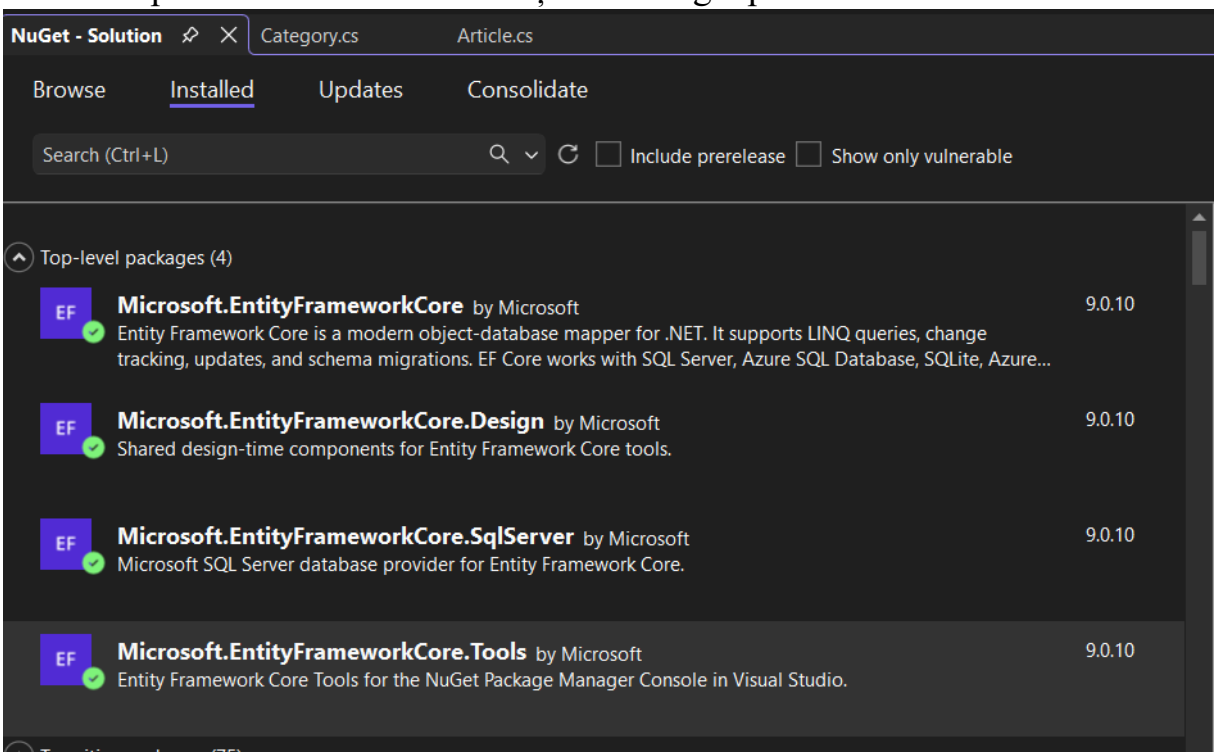
Laborator 5- DAW

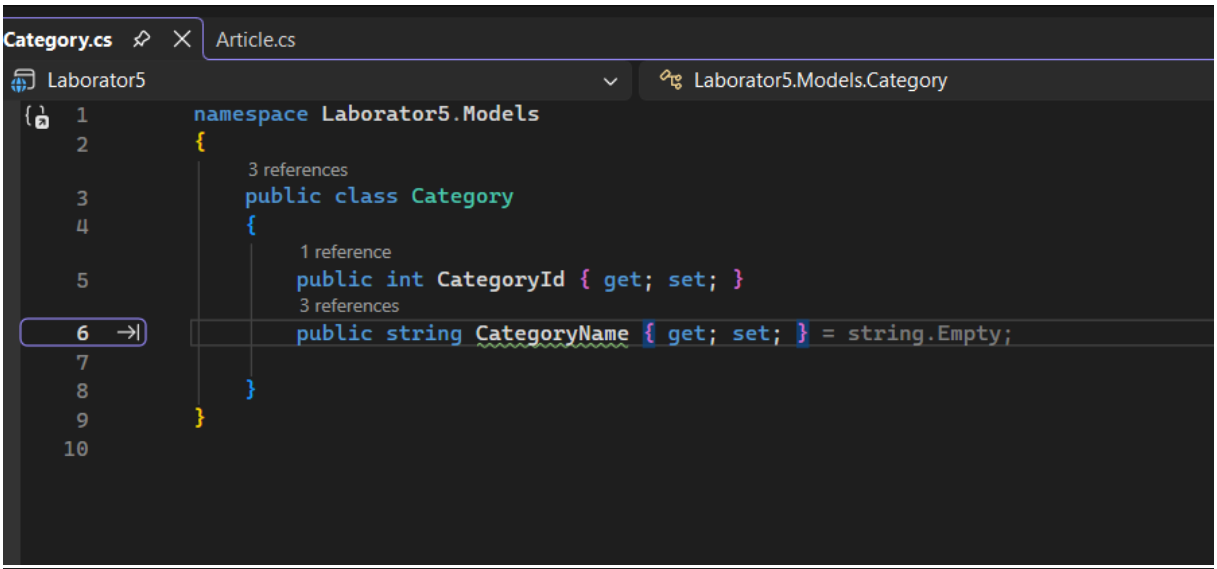
Exercitiul 1.

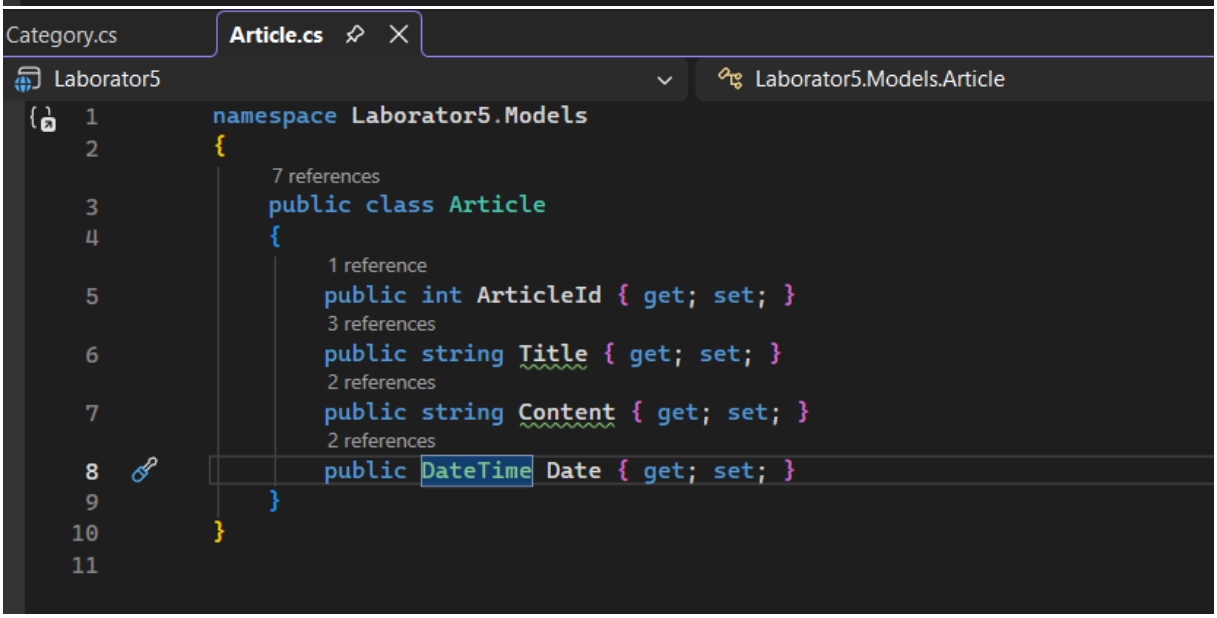
Am creat proiectul nou Laborator5 și am adăugat pachetele necesare.



Exercițiul 2.

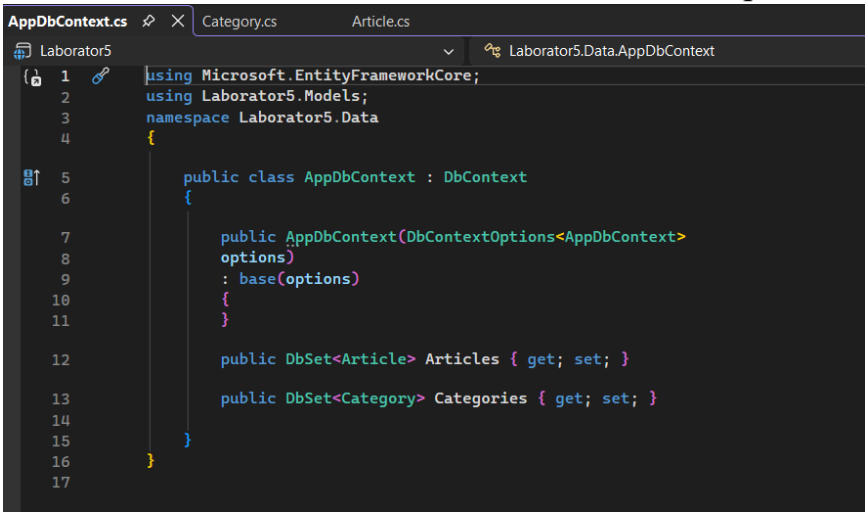
Am creat cele 2 modele de bază.





Exercițiul 3.

Am creat conexiunea cu baza de date folosind Dependency Injection.



Am realizat conexiunea cu baza de date în Program.cs, cât și în fiecare Controller.

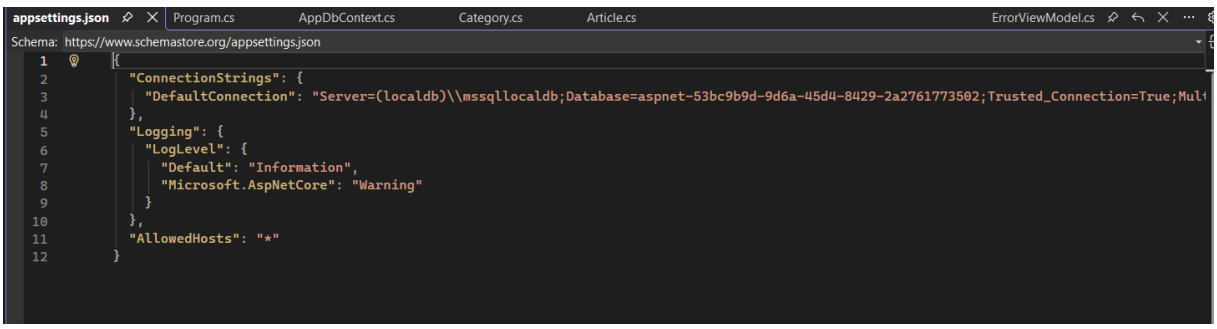
///Program.cs

var connectionString = builder.Configuration.GetConnectionString("DefaultConnection");
builder.Services.AddDbContext<AppDbContext>(options => options.UseSqlServer(connectionString));

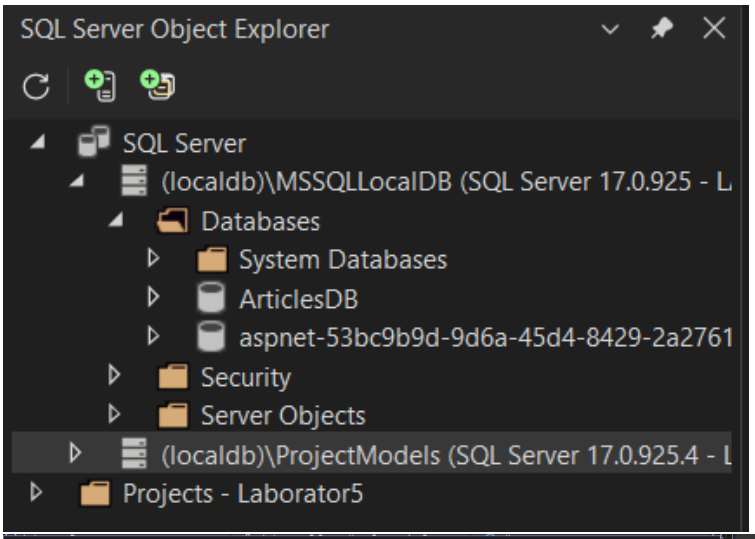
```
namespace Laborator5.Controllers
{
    1 reference
    public class ArticlesController : Controller
    {
        private readonly AppDbContext db;

        0 references
        public ArticlesController(AppDbContext context)
        {
            db = context;
        }
```

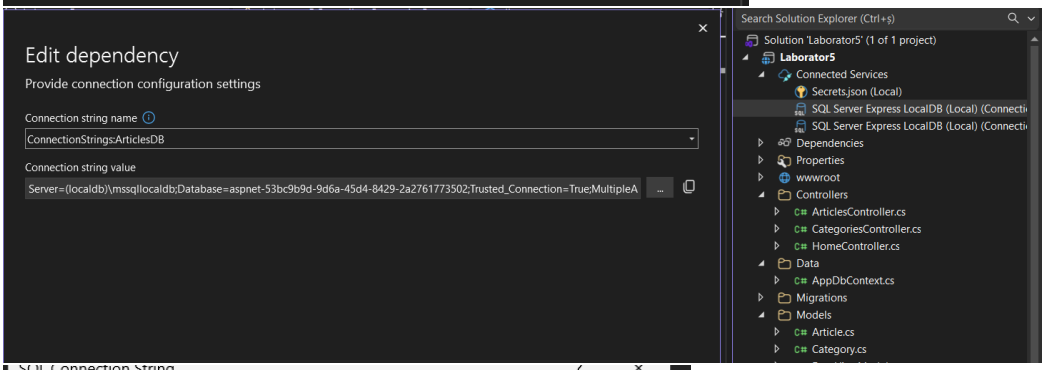
```
namespace Laborator5.Controllers
{

    public class CategoriesController : Controller
    {
        private readonly AppDbContext db;


        public CategoriesController(AppDbContext context)
        {
            db = context;
        }
```

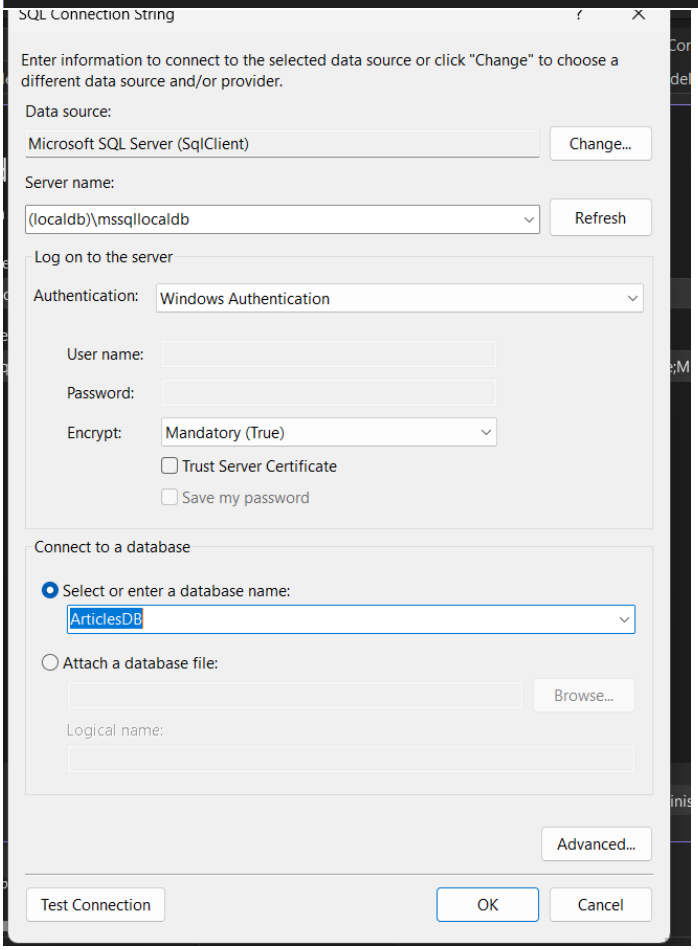
Am dat update și în appsetting.json.



Am adăugat noua bază de date.


SQL Server Object Explorer
SQL Server
(localdb)\MSSQLLocalDB (SQL Server 17.0.925 - L
Databases
System Databases
ArticlesDB
aspnet-53bc9b9d-9d6a-45d4-8429-2a2761
Security
Server Objects
(localdb)\ProjectModels (SQL Server 17.0.925.4 - L
Projects - Laborator5

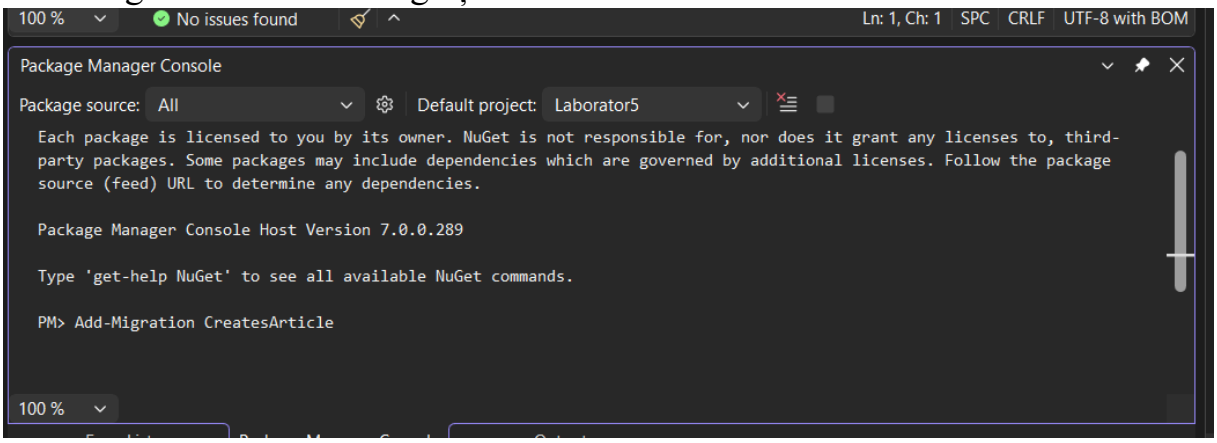

Edit dependency
Provide connection configuration settings
Connection string name
ConnectionStrings:ArticlesDB
Connection string value
Server=(localdb)\mssqllocaldb;Database=aspnet-53bc9b9d-9d6a-45d4-8429-2a2761773502;Trusted_Connection=True;MultipleA
Search Solution Explorer (Ctrl+ş)
Solution 'Laborator5' (1 of 1 project)
Laborator5
Connected Services
Secrets.json (Local)
SQL Server Express LocalDB (Local) (Connecti
SQL Server Express LocalDB (Local) (Connecti
Dependencies
Properties
wwwroot
Controllers
ArticlesController.cs
CategoriesController.cs
HomeController.cs
Data
AppDbContext.cs
Migrations
Models
Article.cs
Category.cs


SQL Connection String
Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.
Data source:
Microsoft SQL Server (SqlClient)
Change...
Server name:
(localdb)\mssqllocaldb
Refresh
Log on to the server
Authentication:
Windows Authentication
User name:
Password:
Encrypt:
Mandatory (True)
Trust Server Certificate
Save my password
Connect to a database
Select or enter a database name:
ArticlesDB
Attach a database file:
Browse...
Logical name:
Advanced...
Test Connection
OK
Cancel

După a făcut modificare și în fișierul .json.

Exercițiul 4.

Am integrat sistemul de migrații.



Am adaugat si migratia pentru categorii.

Apoi am executat comanda Update-Database.